

I feel the authors have added enough detail on calibrations and quality control to justify publication of this dataset. I thank them for their thorough responses and inclusion of details that explain frequency and methods for quality control. My only suggestions now are technical corrections to make figures legible and easy to follow:

In general, make sure your color schemes allow interpretation for those with color perception difficulties.

There are currently two figures labeled “figure 1”. The second “figure 1” should be “figure 2”.

Figure 5: it is hard to distinguish the two air masses that are “oceanic 2”. It looks like there is only one oceanic 2 and one that has no legend label.

Figure 9 has many colors. Make sure those color schemes are colorblind friendly. In particular, the wind direction rainbow color scheme should not be used. There should be some indication that the wind speed is colored by wind direction and that the colorbar is wind direction. Also the wind roses in the center panel are illegible.

Figure S5: The colors and points are very difficult to distinguish on both the figure and legend. I recommend using larger markers. If there’s too much overlap in points you could remove some masses from your selection.